


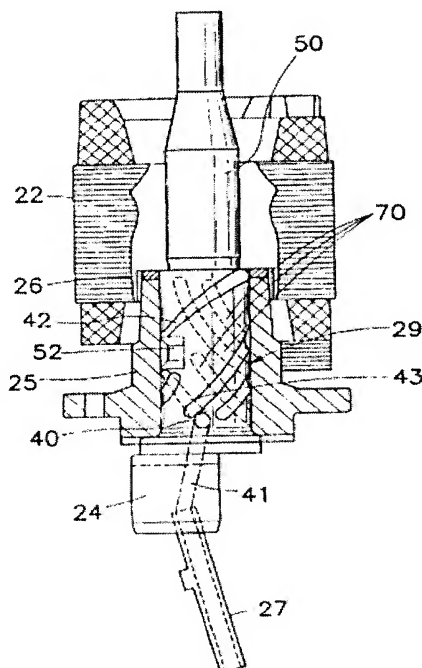


Reciprocating compressor**Publication number:** CN1151479**Publication date:** 1997-06-11**Inventor:** IK SUN (KR); JIN (KR)**Applicant:** SAMSUNG ELECTRONICS CO LTD (KR)**Classification:****- international:** F04B39/00; F04B39/02; F04B39/00; F04B39/02; (IPC1-7): F04B17/03; F04B53/18**- European:** F04B39/02T1D1; F04B39/02T1D1C**Application number:** CN19961021190 19961013**Priority number(s):** KR19950035404 19951013**Also published as:** US5795140 (A1)
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Abstract not available for CN1151479

Abstract of corresponding document: **US5795140**

A reciprocating compressor includes a housing in which lubricating oil is stored, and an electric motor for driving a vertical crankshaft connected to a piston for reciprocating the piston. The crankshaft includes an outer peripheral contact surface rotatably mounted in the bearing. An oil passage is formed in the crankshaft, the oil passage having an oil inlet submerged in the oil, and an oil outlet communicating with the contact surface for conducting oil to the contact surface in response to rotation of the crankshaft. The contact surface includes spiral races formed therein in circumferentially spaced relationship to the oil outlet for reducing the size of the contact surface and hence reducing the amount of friction produced between the contact surface and the bearing.



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